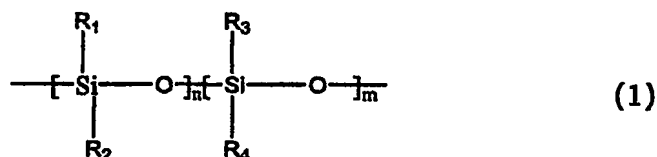


## CLAIMS:

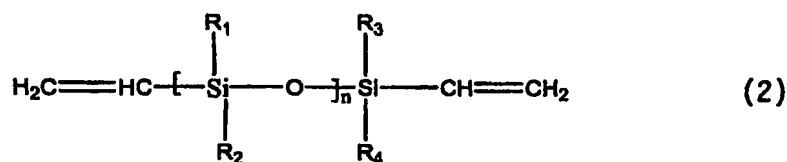
1. An optical record carrier for recording and/or reading information using a radiation beam (L) in the UV wavelength range, in particular having a wavelength in the range from 230 to 270 nm, comprising a substrate layer (S) and an information stack (R) comprising:

- 5 - an information layer (P) comprising a material for forming marks and spaces representing an information by irradiation of the UV radiation beam,  
 - a cover layer (C) on top of the side of the said record carrier facing the incident UV radiation beam,  
 characterized in that said cover layer (C) is made of a cured resin composition  
 10 being a silicon based reactive material.

2. An optical record carrier as claimed in claim 1, wherein the resin composition comprises



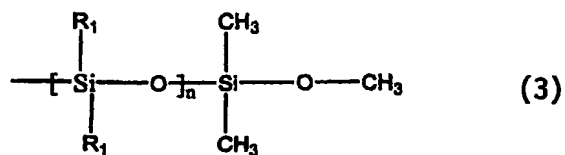
15 and



wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub> = hydrogen, C<sub>1</sub>-C<sub>10</sub>-alkyl, vinyl, phenyl, hydroxide, amino, halogen atom, and at least one of R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> is hydrogen.

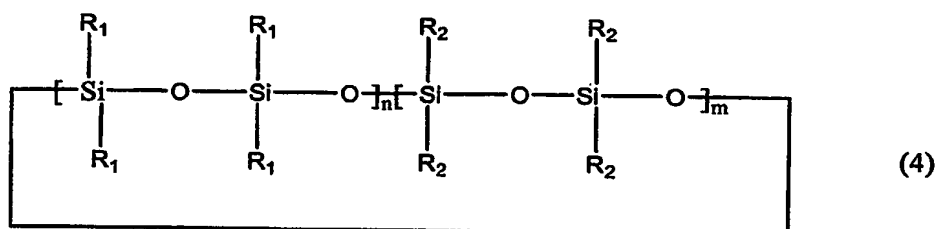
20

3. An optical record carrier as claimed in claim 2, wherein the resin composition further comprises



wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> have the same meaning as disclosed in claim 2.

- 5    4.            An optical record carrier as claimed in any one of claims 2-3, wherein the resin composition further comprises



10            wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> have the same meaning as disclosed in claim 2.

5.            An optical record carrier as claimed in any one of claims 2-4, wherein component (1) is present in an amount of 40-70 wt.%, based on the total weight of the curable resin composition.

15

6.            An optical record carrier as claimed in any one of claims 2-5, wherein component (2) is present in an amount of 15-40 wt.%, based on the total weight of the curable resin composition.

- 20    7.            An optical record carrier as claimed in any one of claims 2-6, wherein component (3) is present in an amount of 10-30 wt.%, based on the total weight of the curable resin composition.

8.            An optical record carrier as claimed in any one of claims 2-7, wherein  
25    component (4) is present in an amount of 1.0-5.0 wt.%, based on the total weight of the curable resin composition.

9. An optical record carrier as claimed in claim 1, further comprising at least one additional recording stack and at least one transparent spacer layer (SP) for separating the recording stacks from each other, said spacer layer being made of a resin composition

5 according to any one of claims 1 – 8.

10. An optical record carrier as claimed in any one of the preceding claims, further comprising at least one auxiliary layer (I, M) comprising a material selected from the group of materials containing  $\text{Al}_2\text{O}_3$ ,  $\text{SiO}_2$ , C, NaCl, ZrO,  $\text{Si}_3\text{N}_4$ , LiF, KCl, Al, Ag, Cu, Ag, Ir, Mo,

10 Rh, Pt, Ni, Os, W.

11. Use of a resin composition as disclosed in any one of claims 1 – 4 for the manufacture of an optical record carrier for recording and/or reading information using a radiation beam (L) in the UV wavelength range.